

CALCIUM SILICATE BOARD

General information

CMAAX calcium silicate products are classified under temperature between 650°C to 1100°C, it's an asbestos-free thermal insulation product.

Features

- ◆ Low thermal conductivity
- ◆ High thermal insulation value
- ◆ High strength
- ◆ High strength

Application

- ◆ Reheating furnace
- ◆ Annealing furnace
- ◆ Transfer ladle
- ◆ Rotary kiln
- ◆ Glass tank
- ◆ Shuttle kiln
- ◆ Tunnel kiln
- ◆ Aluminum melting and holding furnace

Standard Type

Physical Properties		650°C		1000°C				1100°C
Bulk Density (±10%)	Kg/m³	170	220	170	200	230	250	250
Modulu of Rupture	Mpa	≥0.25	≥0.3	≥0.25	≥0.35	≥0.5	≥0.55	≥0.5
Thermal Conductivity	W/m.k	≤0.052	≤0.056	≤0.048	≤0.05	≤0.056	≤0.058	≤0.058
Clasification Temperature	°C	650	650	1000	1000	1000	1000	1100
Linear Shrinkage	%	≤2 (650°C×16h)		≤2 (1000°C×16h)				≤2 (1050°C×3h)

Size: Length: 400-1220mm(±4mm), Width: 250-1220mm(±3mm), Thickness:25-120mm (+3,-1.5mm)

High Pure and High Strength Type

			High Pure Type		High Strength Type
Physical Properties			G	C	
Bulk Density		Kg/m³	800±10%	800±10%	800-1000 ±10%
Modulu of Rupture		Mpa	≥7	≥7	≥7
Thermal Conductivity		W/m.k	≤0.14	≤0.16	≤0.13
Clasification Tempreature		℃	1000	1000	1000
Working Tempreature		℃	850	850	850
Linear Shrinkage	Length, Width	%	0.4 (850℃×12h)	0.25 (850℃×12h)	1.5 (1000℃×3h)
	Thickness	%	1.5 (850℃×12h)	1.5 (850℃×12h)	1.5 (1000℃×3h)

High pure type: size: Length: 1000-1220mm(±4mm), Width: 500-1220mm(±4mm),

Thickness:25-100mm(+2,-1.5mm)

Special size is available as per customer's request. G board with glass fiber, C board with carbon fiber.

High strength type: size: Length: 2300-2500mm(±5mm), Width: 1220mm(±4mm), Thickness:25-50mm(+3,-1.5mm)

CALCIUM SILICATE PIPE

Physical Properties		650°C
Bulk Density	Kg/m³	220±10%
Modulus of Rupture	Mpa	≥0.3
Thermal Conductivity	W/m.k	≤0.062
Clasification Temperature	°C	650
Linear Shrinkage	%	≤2

Size: Length: 600mm(±4mm), I.D.: 25mm-3600mm (+1-5mm), Thickness:40-100mm(+3,-1.5mm)

Special size is available as per customer's request.

